

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				U.S. Department of Commerce Patent and Trademark Office		Atty Docket No. P1574 Applicant: Moon-Hee, Sung, et al. Filing Date: Filed Herewith		Serial No. Filed Herewith Group: Unassigned	
U.S. Patent Documents									
Examiner Initial	No	Document Number	Date	Name	Class	Sub class	Group		
<i>M</i>		WO 03/014360 A1	20/02/2003	BIOLEADERS CORPORATION; M.D. LAB CO., LTD.					
Foreign Patent Documents									
	No.	Document Number	Date	Country	Class	Sub class	Translation		
							Yes	No	
<i>M</i>		KR Pat. App. No. 10-2001-0057837	28/03/2003	Korea				<i>abstract</i>	
<i>M</i>		KR Pat. App. No. 10-2000-0078615	26/06/2002	Korea				<i>abstract</i>	
Other Documents (Including Author, title, Date, Pertinent Pages, Etc.)									
<i>M</i>	1	CINTAS, L.M. ET AL., "Enterocins L50A and L50B, Two Novel Bacteriocins from Enterococcus faecium L50, Are Related to Staphylococcal Hemolysins," Journal of Bacteriology, April 1998, Vol. 180, No. 8, 1988-1994							
<i>M</i>	2	BEVINS, C.L. and ZASLOFF, M., "Peptides from Frog Skin," Annu. Rev. Biochem, 1990, 59:395-414							
<i>M</i>	3	MIYASAKI, K.T. and LEHRER, R. I., "β-sheet Antibiotic Peptides as Potential Dental Therapeutics," International Journal of Antimicrobial Agents 9, 1998, 269-280							
<i>M</i>	4	BOMAN, H.G., "Antibacterial Peptides: Key Components Needed in Immunity," Cell, Vol. 65, 205-207, April 19, 1991							
<i>M</i>	5	BOMAN, H.G., "Peptide Antibiotics and Their Role in Innate Immunity," Annu. Rev. Immunol, 1995, 13:61-92							
<i>M</i>	6	BOMAN, H.G., ET AL., "Antibacterial and Antimalarial Properties of Peptides that are Cecropin-melittin Hybrids," Federation of European Biochemical Societies, Vol. 259, number 1, 103-106, December 1989							
Examiner <i>M. T. V.</i>					Date Considered <i>3/17/06</i>				
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.									

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Other Documents (Including Author, title, Date, Pertinent Pages, Etc.)					
m	7	WADE, D. ET AL., "Antibacterial Peptides Designed as Analogs or Hybrids of Cecropins and Melittin," Int. J. Peptide Protein Res. 40, 1992, 429-436			
m	8	PUTSEP, K. ET AL., "Antibacterial Peptide from H. Pylori," Nature, Vol. 398, April 22, 1999			
m	9	CHARBIT, A., ET AL., "Presentation of Two Epitopes of the preS2 Region of Hepatitis B Virus on Live Recombinant Bacteria," The Journal of Immunology, 1987, The American Association of Immunologists, Vol. 139, 1658-1664, No. 5, September 1, 1987			
m	10	AGTERBERG, M. ET AL., "Outer Membrane PhoE Protein of Escherichia coli as a Carrier for Foreign Antigenic Determinants: Immunogenicity of Epitopes of Foot-and-Mouth Disease Virus," Vaccine, Vol. 8, February 1990, Butterworth & Co. Ltd.			
m	11	FELICI, F. ET AL., "Section of Antibody Ligands from a Large Library of Oligopeptides Expressed on a Multivalent Exposition Vector," J. Mol. Biol. 1991, 222, 301-310			
m	12	FUCHS, P. ET AL., "Targeting Recombinant Antibodies to the Surface of Escherichia coli: Fusion to a Peptidoglycan Associated Lipoprotein," Bio/Technology, Vol. 9, December 1991			
m	13	FRANCISCO, J.A., ET AL., "Transport and Anchoring of β -lactamase to the External Surface of Escherichia coli." Proc. Natl. Acad. Sci. USA, Vol. 89, pp. 2713-2717, April 1992			
m	14	HEDEGAARD, L. ET AL., "Type 1 Fimbriae of Escherichia coli as Carriers of Heterologous Antigenic Sequences," Gene, 85, 1989, 115-124			
m	15	JUNG, H.C., ET AL., "Surface Display of Zymomonas Mobilis Levansucrase by Using the Ice-nucleation Protein of Pseudomonas Syringae," Nature Biotechnology, Vol. 16, June 1998			
m	16	JUNG, H.C., ET AL., "Expression of Carboxymethylcellulase on the Surface of Escherichia coli Using Pseudomonas Syringae Ice Nucleation Protein," Enzyme and Microbial Technology 22:348-354, 1998, New York, USA			
m	17	LEE, J.S., ET AL., "Surface-displayed Viral Antigens on Salmonella Carrier Vaccine," Nature Biotechnology, Vol. 10, June 2000			
m	18	KORNACKER, M.G. and PUGSLEY, A.P., "The normally periplasmic enzyme β -lactamase is Specifically and Efficiently Translocated through the Escherichia coli Outer Membrane when it is Fused to the Cell-surface Enzyme Pullulanase," Molecular Microbiology, 1990, 4(7), 1101-1109			
m	19	KLAUSER, T., ET AL., "Extracellular Transport of Cholera Toxin B Subunit Using Neisseria IgA Protease β -domain: Conformation-dependent Outer Membrane Translocation," The EMBO Journal, Vol. 9, no. 6, pp. 1991-1999, 1990			
Examiner <i>My T. V</i>		Date Considered <i>3/17/06</i>			
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